

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application. Deletions are identified in bold with double brackets and strikethrough (e.g. ~~[[deletion]]~~) and new text is identified in bold with underlining (e.g. **new language**).

Listing of Claims:

1. (Currently amended) An interactive remote drug dose and physiologic response monitoring system in a patient **under a prescriptive regimen to take a drug** ~~[[wherein at least one IMD is adapted to communicate with a drug delivery device, the monitoring system]]~~ comprising:

a drug delivery device; and

an IMD in wireless **communication** ~~[[communications]]~~ with the drug delivery device, **the IMD having means for monitoring the administration of a drug by the drug delivery device in compliance with a prescriptive regimen,**

wherein ~~the IMD is implanted in a patient under a prescriptive regimen to take a drug from the drug delivery device and~~ the IMD monitors the patient's physiological signs **subsequent to the administration of the drug for compliance with a prescriptive regimen,** and checks drug interaction in the patient.

2. (Original) The system of claim 1, wherein the delivery device is chosen from one of the following: a pill box, a transdermal patch, a IV, an inhaler, an oral medicament dispenser, a subcutaneous implant, a drug pump, or a transcutaneous application.

3. (Currently amended) A drug delivery monitoring system comprising:
means for monitoring parameters of a drug delivery device;
means for communicating the monitored parameters with an IMD;
means for processing the monitored parameters;
means for controlling the drug delivery device based on the processing of the ~~[[sensed]]~~ **monitored** parameters.

4. (Original) The system of claim 3, further comprising:
means for sensing physiological parameters through the IMD;

means for processing the sensed physiological parameters relative to a drug delivered by the drug delivery system; and

means for controlling the drug delivery system in response to the processing of the sensed physiological parameters.

5. (Original) The system of claim 3, further comprising means for controlling a therapy delivered by the IMD based upon the means for processing the monitored parameters.

6. (Currently amended) An implantable medical device comprising:

a microprocessor for controlling cardiac therapy parameters;

a lead for delivering electrical stimulation to cardiac tissue **and monitoring physiologic parameters of the tissue**; and

a telemetry unit for receiving **the parameters from the lead and** information from a drug delivery device, the information identifying whether an expected drug therapy is delivered, wherein the microprocessor varies the cardiac therapy delivery through the lead based upon the **parameters and the** information.

7. – 40. (Withdrawn)

41. (cancelled)